

In the Claims:

Claim 64. (Currently Amended) A process for producing a long-term culture of immature dendritic cells, which process comprises:

~~I-providing a population of embryonic stem cells; II~~
culturing the embryonic stem cells in the presence of a cytokine or combination of cytokines of a composition comprising IL-3, which bring about differentiation of the embryonic stem cells into immature dendritic cells, whose protracted longevity and capacity for self renewal produce a long-term culture of immature dendritic cells; and ~~III-recovering~~ immature dendritic cells from the culture, which immature dendritic cells are capable of maturation to an immature dendritic cells are capable of maturation to an immunostimulatory phenotype.

Claims 65-67 (Currently cancelled).

Claims 68-95 (Previously added).

Claims 105-108 (Previously added).

Claim 110 (new) The method of claim 64, wherein said composition further comprises GM-CSF.